"Phase VI: Short-term Investigation of Groundwater Quality in the Pavillion, WY Area"
Proposed Plan from Wyoming DEQ

QUESTIONS FOR STATE OF WYOMING

- What are the objectives for the proposed investigation?
    - If the study is to work back from the DWW to point to contamination source then the study needs to anticipate additional wells in order to be determinate about sources whether shallow deep.
    - If the study is to assess each source for it's potential to contaminate groundwater then the study starts at known locations of potential sources and attempts to: 1) determine if there has been a release and 2) what is the nature and extent and does that extent reach the capture zones of any DWW. This also will require anticipation of additional wells to determine nature and extent.
    - In each case understanding flow directions in the colluvium deposits and shallow Wind River aquifer as well as the deep Wind River aquifer is necessary.
- Why don't monitoring wells in each area of concern "bracket" the DWW with deeper and shallower monitoring wells? Only one area of concern accomplishes this.
- What specific organic compounds would be analyzed for under VOC and SVOC analysis?
- What detection limits would be employed?
- The next set of questions are related directly to known potential production sources.
    - Could all production pits identified within the areas of concern be dealt with in the fashion as other source areas similar to the town landfill? One up gradient well and two down gradient wells.
    - Could additional monitoring points (piezometers) be added solely to determine groundwater flow outside the areas of concern? This would help fill in the big picture on groundwater flow directions. These would need to be wells either in colluvium or drilled into the Wind River formation beyond the weathered zone of the Wind River fm.
    - Could additional characterization (organic and inorganic) of production water be undertaken? EPA has less than five results showing high variability for a number of parameters?
    - Could additional characterization of bradenhead fluids be collected for a broader sweet of organic and inorganic compounds?
    - Could additional characterization of bradenhead gas chemistry and isotopic signatures be undertaken?